

Microoperations (w) Ms. Shubhangi Sharma Unit-3

Micro-operations are the fundamental operations carried out in the CPU or elsewhere.

There are 4 types of micro-operations:

- (i) Register Transfer Micro-operations - transfer binary data from one register to another register.
- (ii) Arithmetic Micro-operations - perform arithmetic operations on numeric data stored in registers.
- (iii) Logic Micro-operations - perform bit manipulation operations on non-numeric data stored in registers.
- (iv) Shift Micro-operations perform shift operations on data stored in registers.

1. Register Transfer Micro-operations

• $R2 \leftarrow R1$

Copy (i.e. transfer) all data from one register